

### **ABSTRACT**

The fuse and latch circuit has a Floating gate Avalanche injection Metal Oxide Semiconductor (FAMOS) transistor (fuse) that is coupled to a read circuit. The read circuit includes circuitry that reduces the drive strength of the fuse. A transmission gate couples the read circuit to the latch circuit. The transmission gate isolates the fuse from the latch. When a reset condition occurs, the data that was in latch circuit remains after the reset condition is complete.